A.I.A. File No. 26a 3-5-6

CORRUGATED WIRE GLASS

No. 1 - 100º ANGLE STANDARD FLINT

No. 2 - 100º ANGLE COOLITE HEAT ABSORBING

No. 3 - 120º ANGLE STANDARD FLINT

MISSISSIPPI GLASS CO.

220 FIFTH AVENUE
NEW YORK

ST. LOUIS
MO.

CHICAGO
ILL.

FULLERTON
CAL.

A.I.A. File No. 26a 3-5-6

SPECIFY **MISSISSIPPI** PRODUCTS

OWNERS - ARCHITECTS and ENGINEERS

are constantly confronted with the question of properly utilizing daylight, and glass manufacturers alert to their problems, have developed many new types of glass for special use, one of which is Corrugated Wire Glass for roofs and side walls.

OUR EXPERIENCE

has convinced us there is a demand for three types of Corrugated Wire Glass.

No. 1—Is heavy and has deep 100° angle corrugations, 2½" center to center and an overall thickness of slightly over 1 inch, which gives it remarkable strength, making it particularly desirable for side wall construction which may be subject to more or less abuse and severe exposure. The popular 27½x60 inch sheets of this type will withstand a pressure of approximately 62 lbs. per square foot, which is far in excess of any natural load it would ever encounter. It is also used in roof construction where a very strong glass may be desired.

No. 2—Is made on the same specification in COOLITE HEAT ABSORBING GLASS, which is required in large roof areas to supply an abundance of soft cool light, similar to that from the North sky with direct sunlight sufficiently subdued to make working conditions more comfortable. The severe brightness of the sun is converted into a quantity and quality of illumination more desirable for industrial plants, and the heat absorption of Corrugated Coolite Wire Glass is effective in reducing the temperature within any building which is exposed to severe direct sunlight.

No. 3—This shallow type of Corrugated Wire Glass, made only in standard flint, is designed for use in buildings where it is necessary to obtain the maximum amount of daylight illumination through Corrugated Wire Glass construction, this glass is therefore made thinner. The overall height of corrugations is approximately ⅞ of an inch and the corrugations are 2½ inches center to center at an angle of 120°, this being the angle with the least loss of light from total reflection.

While this type of glass weighs only 5 lbs. per square foot, tests show that a sheet 27½x60" will carry an average load of 46 lbs. per square foot, making the glass perfectly satisfactory for roof lights or side wall construction.

SPECIFY MISSISSIPPI PRODUCTS

DISTRIBUTION

of Corrugated Wire Glass, like all other Mississippi Glass Co. products, is through the glass jobber, this enables any properly equipped sheet metal worker to obtain as much glass as he may require without delay.

The larger sheet metal workers are prepared to submit detail drawings of their own types of construction in which they will use the particular style of Corrugated Wire Glass specified.

Our sales policy makes Mississippi Corrugated Wire Glass available to anyone, as our distributors are located in practically every large city in the United States.

ARCHITECTURAL ORIGINALITY

There are many places where Corrugated Wire Glass may be used both in an unusual manner and in common practice.

Aside from its usual use in roofs and side walls of industrial construction, it affords the creative mind an opportunity to utilize a commercial product in unique ways to make the suburban home more distinctive and enjoyable.

Secluded porches which would otherwise be dark and gloomy can be made one of the most attractive and livable places in the house by using a Corrugated Wire Glass roof.

Most men have a workshop of some sort in the cellar where very little daylight enters unless provision is made for special windows. Here again Corrugated Wire Glass panels in the masonry wall solve the problem of illumination, security and privacy.

The formal garden with a protection fence of Corrugated Wire Glass on the North side is most attractive.

Corrugated Wire Glass is most practical for use in cow barns, stables, tennis courts and practically all out buildings on large estates or institutional farms.

The Architect of today is using various types of glass in many original ways.

SIZES

While Corrugated Wire Glass is made in sheets 55″ wide and 132″ long, it is not practical to install it in this size, and most installations are 27½″ by about 60″ sheets.

There are two important points to consider:

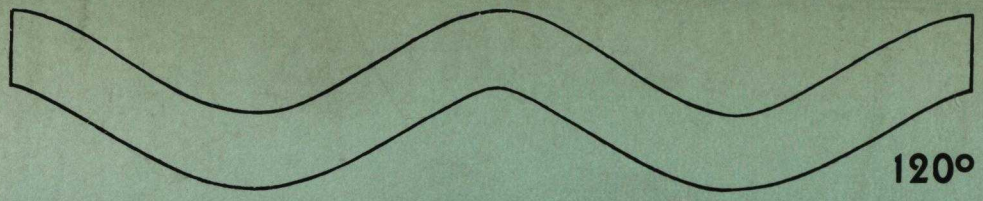
First—The glass must be cut a width which is multiples of 2½ inches.

Second—The shorter the sheet the more pressure it will withstand. We find the average sheet ordered is 27½x60 and as a guide to the consumer we indicate its approximate strength.

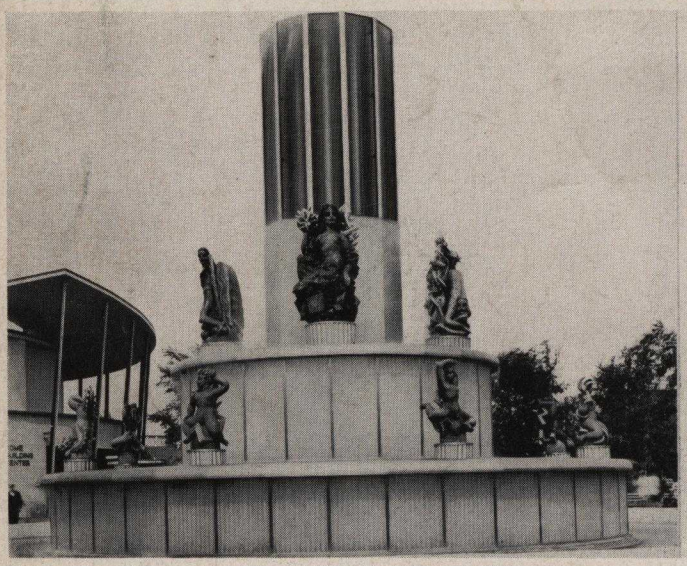
TECHNICAL INFORMATION

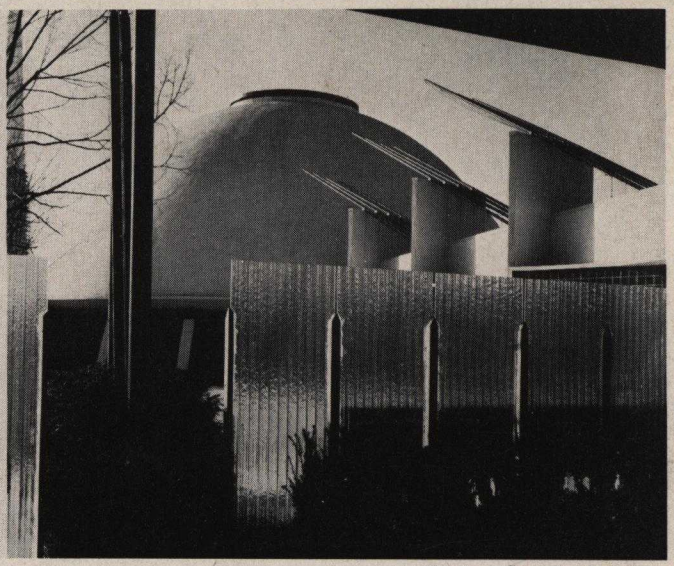
involves so many details that it is not practical to attempt including such data in a folder of this sort which is intended to give general information of interest to the majority.

Any problem you may have will receive the full cooperation of our Research Dept. if you care to write.



120° ANGLE





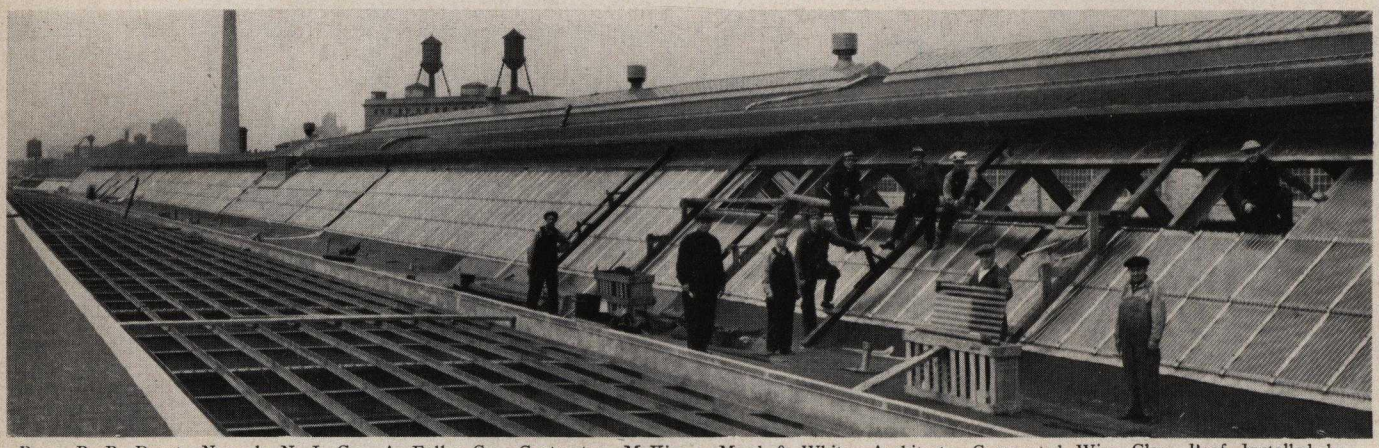
Unique Uses of Corrugated Glass at New York World's Fair

Courtesy Ceramics Industries

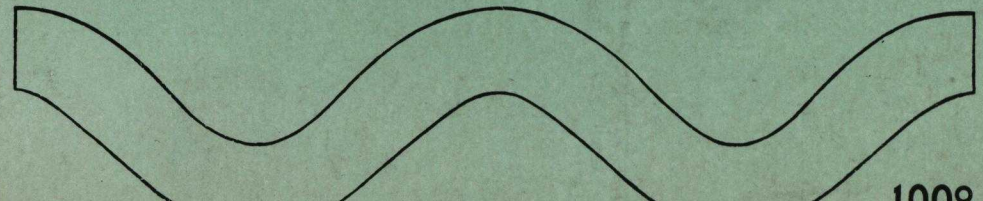
SPECIFICATIONS

Corrugated Wire Glass	No. 1	No. 2	No. 3
Thickness, approximately	7/16″	7/16″	11/32″
Weight of glass per square foot, approximately	6¼ lbs.	6¼ lbs.	5 lbs.
Weight packed per square foot, approximately	7½ lbs.	7½ lbs.	6 lbs.
Width of corrugations, center to center	2½″	2½″	2½″
Overall height of corrugations	1-1/16″	1-1/16″	15/16″
Maximum width available	55″	55″	55″
Maximum length available (see note)	132″	132″	132″
Average strength (sheet 27½x60) lbs. per square foot	62 lbs.	62 lbs.	46 lbs.
Angle of corrugations	100°	100°	120°

NOTE- We do not recommend its use for roof installations in lengths longer than approximately 60 inches.



Penn. R. R. Depot—Newark, N. J. Geo. A. Fuller Co.—Contractor—McKim, Mead & White—Architects. Corrugated Wire Glass Roof Installed by Jacob Ringle and Son, Jersey City, N. J.



100° ANGLE

Cor 1-2-3—20M 10-1-39

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